

Title (en)

RADIO COMMUNICATION METHOD, RADIO COMMUNICATION DEVICE, AND RADIO COMMUNICATION SYSTEM

Title (de)

VERFAHREN, EINRICHTUNG UND SYSTEM ZUR FUNKKOMMUNIKATION

Title (fr)

PROCEDE, DISPOSITIF ET SYSTEME DE COMMUNICATION RADIO

Publication

**EP 2023506 A1 20090211 (EN)**

Application

**EP 07742512 A 20070426**

Priority

- JP 2007059077 W 20070426
- JP 2006124507 A 20060427

Abstract (en)

A base station 20 monitors change of a parameter for an adaptive array antenna, the parameter being used to control a directivity of a beam to be transmitted to a mobile terminal device 30. As a result, when detecting that a value indicating the change has fallen below a predetermined value, the base station 20 suppresses control of the directivity of a transmission signal. Moreover, the base station 20 transmits decrease information to the mobile terminal device 30, the decrease information indicating that the value indicating the change has fallen below the predetermined value. Upon receipt of the decrease information transmitted from the base station 20, the mobile terminal device 30 equalizes a signal to be transmitted to the base station 20 on the basis of a delay status of a reception signal received from the base station 20, and then transmits the equalized signal to the base station 20.

IPC 8 full level

**H04B 7/10** (2006.01); **H04B 7/06** (2006.01); **H04B 7/26** (2006.01); **H04J 3/00** (2006.01)

CPC (source: EP KR US)

**H04B 7/005** (2013.01 - EP KR US); **H04B 7/063** (2013.01 - EP US); **H04B 7/212** (2013.01 - KR); **H04B 17/364** (2015.01 - EP US)

Designated contracting state (EPC)

DE GB

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

**EP 2023506 A1 20090211**; CN 101432988 A 20090513; CN 101432988 B 20120829; JP 4422778 B2 20100224; JP WO2007126008 A1 20090910; KR 101030845 B1 20110422; KR 20080110911 A 20081219; US 2010233966 A1 20100916; US 8249514 B2 20120821; WO 2007126008 A1 20071108

DOCDB simple family (application)

**EP 07742512 A 20070426**; CN 200780015132 A 20070426; JP 2007059077 W 20070426; JP 2008513264 A 20070426; KR 20087028084 A 20070426; US 29834007 A 20070426